

Application No. 10/537,310  
Amendment dated October 2, 2007  
Reply to Office Action of April 2, 2008

Docket No.: NY-GRYN 223-US

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AMENDMENTS TO THE CLAIMS

1-9. (Canceled)

10. (Currently amended)

Method for securing logical access to information and/or computing resources in a group of computer equipment with minimum access delay, said group of computer equipment exchanging data with a computer telecommunication network via an access device comprising an operating system, and said data comprising transported data that conform to a protocol of at least one application protocol having a plurality of capabilities, as well as transport data, said method comprising the steps of:

- ...defining a finite-state machine for each application protocol;
- ...modeling each finite-state machine in the form of a model;
- ...generating from each model, an analysis module for each application protocol ~~by means of using~~ an interpreter; and
- ...filtering the transported data in said operating system ~~by means of using~~ said analysis modules; and
- ...selectively restricting the capabilities of one or more application protocol using said analysis modules.

11. (Currently amended)

The method of claim 10, further comprising the step of verifying the conformity of said transported data with the application protocols involved ~~by means of using~~ said analysis modules.

12. (Canceled)

13. (Canceled)

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14. (Original) The method of claim 12, further comprising the step of parameterizing said analysis modules in accordance with predetermined restrictions by a network administrator.

15. (Currently amended) An access device for securing logical access to information and/or computing resources in a group of computer equipment with minimum access delay, said group of computer equipment exchanging data with a computer telecommunication network via said access device, and said data comprising transported data that conform to a protocol of at least one application protocol having a plurality of capabilities, as well transport data; said access device comprising:

an operating system that includes an appropriate analysis module for each application protocol;

a filtering module for filtering said transported data in said operating system ~~by means of~~ using said analysis modules; and

an information processing module for selectively restricting the capabilities of one or more application protocol using said analysis modules.

16. (Original) The access device of claim 15, wherein each analysis module implements a finite-state machine representing a given application protocol.

17. (Original) The access device of claim 15, wherein said analysis modules comprises a first information processing module for verifying the conformity of said transported data with said application protocols involved.

18. (Canceled)

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19. (Original) The access device of claim 18, further comprising a parameterization module for parameterizing said analysis modules in accordance with predetermined restrictions by a network administrator.
20. (Original) The access device of claim 16, wherein said analysis modules comprises a first information processing module for verifying the conformity of said transported data with said application protocols involved.
21. (Canceled)
22. (Canceled)
23. (New) The method of claim 10, wherein the step of modeling each finite-state machine in the form of a model utilizes a state transition matrix.